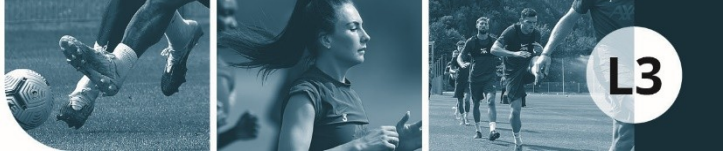
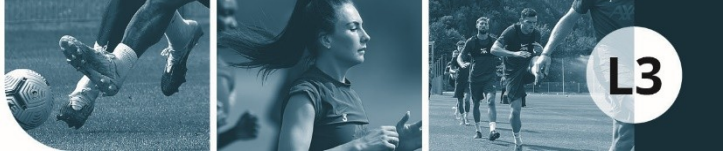


BTEC Assignment Brief

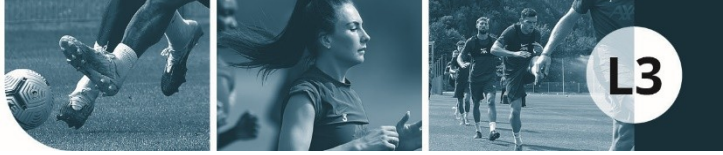
Qualification	Pearson BTEC International Level 3 Qualifications in Sport
Unit number and title	Unit 31: Influence of Technology in Sport and Physical Activity
Learning aims	Learning Aim B: Explore the role of technology in improving sport and physical activity performance and experience Learning Aim C: Propose a strategy to improve performance or experience in a selected sport or physical activity
Assignment title	A presentation on a strategy for improving a sport or physical activity performance or experience through technology supported by a rationale.
Assessor	
Issue date	
Hand in deadline	

Vocational Scenario or Context	You are a member of a local hockey club and enjoy training and competing in your sport. The senior club members know that you are studying Sport at college and have asked you to provide a presentation on a strategy for improving the hockey performance or experience of the members through technology supported by a rationale.

Task 1	A presentation on a strategy for improving a sport or physical activity performance or experience through technology supported by a rationale. You have been asked to make a presentation for the senior club members which provides a strategy for improving the hockey performance or experience for the club members. Before you produce the presentation you must carry out research to gather evidence and where possible this should be current and must be reliable. Your presentation should express your view, drawn from your research analysis, on how the hockey performance or experience will be improved by different technologies. Supported by references to specific aspects of your research analysis, you should fully consider the factors affecting the potential success of the strategy. This should include any constraints and potential challenges. Finally, a justified conclusion should be arrived at.

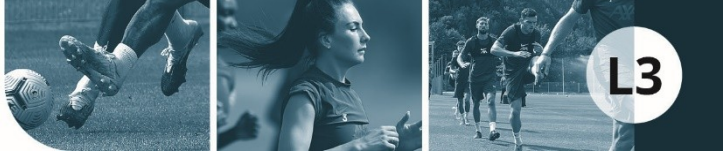


	You will need to research the different issues with technology and how they will impact on performance and experience. Consideration will need to be given to the aspects of strategy, presenting and reviewing to ensure maximum potential is reached. The presentation should be split into six sections and contain the following information: **Section 1:** Improving performance • Interpreting data • Informing strategies for improvement using technology • Planning and preparation **Section 2:** Improving experience From a participant's perspective. • Applications of rules • Media spectating • Sport development **Section 3:** Issues with technology • Accessibility • Accuracy • Reliability • Cost • Usability • Time • Ethical considerations **Section 4:** Strategy • Strategy for improving technology **Section 5:** Presenting • Presenting and explaining **Section 6:** Reviewing • Reviewing and justifying
Criteria covered by this task:	
Unit/Criteria reference	To achieve the criteria, you must show that you are able to:
B.P3	Explain how technology can be used to improve the sport performance and experience of a selected sport or physical activity.
B.P4	Explain how three different issues could impact the improvement in sport performance and experience of a selected sport or physical activity.



C.P5	Develop a strategy for improving sport performance or experience through technology for a given sport or physical activity.
C.P6	Present a strategy for improving sport performance or experience for a given sport or physical activity.
B.M2	Compare ways technology can improve a selected sport performance or physical activity in terms of sport performance and experience of a selected sport or physical activity
C.M3	Assess the impact of the chosen strategy for improving sport performance or experience through technology.
BC.D2	Justify the strategy of a new technological idea and its impact on how it can improve performance or experience.

Checklist of evidence required	A presentation on a strategy for improving a sport or physical activity performance or experience through technology supported by a rationale, covering the following areas: • Improving performance • Improving experience • Issues with technology • Strategy • Presenting • Reviewing
Sources of information to support you with this Assignment	**Textbooks** Adams, M. et al – *BTEC Level 3 National Sport (Performance and Excellence) Student Book* (Pearson, 2016) ISBN 9781292134000 Fridell, R. – *Sports Technology* (Lerner, 2009) ISBN 9780822575870 Fuss, F. K., Subic, A., Strangwood, M. & Mehta, R. - *Routledge Handbook of Sports Technology and Engineering* (Routledge, 2013) ISBN 9780415580458 Marinho, D. A. & Neiva, H. P - *The Use of Technology in Sport: Emerging Challenges* (IntechOpen, 2018) ISBN 9781789844825 **Journals** *Exercise and Sport Sciences Reviews* (Lippincott Williams & Wilkins) *Sports Technology* (Taylor and Francis) *International Journal of Sports Science & Coaching*



	Videos https://barcainnovationhub.com/monitoring-technologies-for-sports-analysis/ https://digitalsport.co/why-technology-has-a-powerful-impact-on-sport-today https://www.youtube.com/watch?v=ZaaIIEANc0I http://10passmdcc.weebly.com/term-4-technology-participation-and-performance.html **Websites** https://sportstechnologyblog.com/ https://www.sporttechie.com/ https://sporttomorrow.com/10-striking-predictions-about-future-of-sports/ https://thefutureishere.economist.com/ https://ventsmagazine.com/2020/02/10/the-future-of-sports-technology/
Other assessment materials attached to this brief	